PRO-UP NETTING

FIELD OF THE INVENTION

The present invention relates to webs, and particularly to a pro-up netting which has a firm and flexible structure and can be assembled easily and conveniently.

BACKGROUND OF THE INVENTION

The prior art pro-up netting is formed by a web, a plurality of supporting rods, and a liner cloth. Each supporting rod is formed by an iron tube and a sleeve. In assembly, a plurality of supporting rods are connected one by one. Then they are inserted into inserted holes so as to form a frame. Then a periphery of the liner cloth is installed with iron strips and then the liner cloth is paved upon the web so as to complete the pro-up netting. However this prior art is difficult in assembly and a great deal of time is necessary and moreover, it is installed to carry this web.

SUMMARY OF THE INVENTION

Accordingly, the primary object of the present invention is to provide a pro-up netting. The pro-up netting comprises three frame rods, a rope, an extending means, a buckling ring and a web. Each frame rod is formed by an insertion, an elastic cotton string and a connecting tube. Each end of the rope has a receptacle. The plurality of buckling rings serves for fixing the extending means.

Three frame rods are connected with each frame rod having one end being connected together; and another ends of two selected frame rods being connected to two ends of the extending means and another end of another frame rod is connected to a middle part of the extending means. The web is connected between each two of the three frame rods.

The various objects and advantages of the present invention will be more readily understood from the following detailed description when read in conjunction with the appended drawing.

BRIEF DESCRIPTION OF THE DRAWINGS

Fig. 1 is a perspective view of the present invention.

Fig. 2 is an exploded view of the present invention.

Fig. 2-1 is a cross section view of the present invention.

Fig. 3 is a partial assembled view of the present invention.

Fig. 3-1 shows one embodiment of the present invention.

Fig. 4 shows the buckling rings of the present invention.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

Referring to Figs. 1, 2, 3 and 4, the present invention includes a plurality of frame rods 1, a web 2, a plurality of receptacles 11, a plurality of buckling rings 4, and an extending means 5.

Each frame rod 1 is formed by an insertion 6, an elastic cotton

string 7 and a connecting tube 8. One ends of the insertion rod 6 is reduced as a round cylinder 9. The connecting tube 8 is a hollow tube and one end thereof is formed with reduced hollow tube 10. One end of the insertion rod 6 is formed with the elastic cotton string 7. The elastic cotton string 7 of the insertion rod 6 passes through the reduced hollow tube 10 to the round cylinder 9 of another insertion rod 6. This connection is repeated so as to extend the length thereof. After connection, the frame rod 1 has an effect of supporting.

The web 2 is light and endurable. The web 2 is disposed in the extending means 5 for capturing balls.

Ends of the rope 3 have receptacles 11. A hole 12 is formed on each receptacle 11 for receiving the extending means 5 and frame rod 1. The rope 3 is a supporting structure.

The extending means 5 is formed by two combing rods 16, each combing rod having an elastic cotton cord, at least one two-side sleeve 18, and at least one single side sleeve 17. Each combing rod 16 is extended with the elastic cotton cord 77 at one radial center of the one end thereof. The two-side sleeves 18 and single side sleeves 17 are hollowed. Each end of the two-side sleeve 19 and one end of single side sleeve 17 are large ends which are formed with respective grooves 19 therein and another end of the single side sleeve 17 is a small end which forms a sleeve body 20. The sleeve body 20 can be inserted into the groove 19. The elastic cotton cord 77 of the

combing rod 16 is inserted into the groove 19 of the single side sleeve 17. Then the sleeve body 20 of the single side sleeve 17 is inserted into the groove 19 of another single side sleeve 17. The process is repeated for connecting a plurality of single side sleeves 17. Then the sleeve body 20 of the last single side sleeve 17 is inserted into the groove 19 in one side of the two-side sleeve 18. Another end of the two-side sleeve 18 is inserted by the sleeve body 20 of another single side sleeve 17 and thus a plurality of single side sleeves 17 are serially connected at two ends of the two-side sleeve 18.

In the present invention, the buckling ring 4 serves to fix the extending means 5. Moreover, the buckling ring 4 can be replaced by a sleeve cloth 22 and toggle 23.

Furthermore, the rope 3 can be replaced by cloth strip so as to have the same supporting structure (referring to Fig. 3-1).

In assembly of the present invention, the rope 3 is extended in a flat surface. The combing rod 16 at two ends of the extending means 5 are inserted into the hole 12 so that the rope extends as a frame structure. Then a plurality of buckling rings 4 are installed at proper positions of the extending means 5. Then the web 2 is suspended to the hook 14 of the buckling ring 4. Another end of the web 2 is suspended to the rope 3. Thus the web can be installed and detached rapidly and can be carried easily.

The assembly detail step of the present invention will be

described herein. A surface of the rope 3 for securing the receptacle 11 extends and faces upwards and the hole 12 of the receptacle 11 also faces upwards.

The elastic cotton cord 77 of the combing rod 16 is inserted into the groove 19 of the single side sleeve 17. Then the small end of the single side sleeve 17 is inserted into the groove 19 of another single side sleeve 17. The process is repeated for connecting a plurality of single side sleeves 17. Then the small end of the last single side sleeve 17 is inserted into the groove 19 in one side of the two-side sleeve 18. Another end of the two-side sleeve 18 is inserted by the small end of a single side sleeve 17 and thus a plurality of single side sleeves 17 are serially connected at two ends of the two-side sleeve 18.

The C shape notches 13 of the buckling ring 4 are installed at predetermined positions of the frame.

The elastic cotton cord 77 of the combing rod 16 inserts into the hollow tube 10 of the connecting tube 8. Then, one end of the combing rod 16 is inserted into the holes 12 of the receptacles 11 so as to form with a frame for fixing a web 2 and the other end of the combing rod 16 is buckled to a slot 15 of the buckling ring 4.

Then the web 2 is suspended to the hook 14 of the buckling ring 4 (referring to Fig. 1).

The advantages of the present invention will be described here.

In the present invention, the structure is simple and no undesired iron strips are used. The tension of the web is retained by the round tubes. The number of the single side sleeves connected is flexible as desired. The receptacles used have a simple structure. The rope can be embedded into earth.

The present invention is thus described, it will be obvious that the same may be varied in many ways. Such variations are not to be regarded as a departure from the spirit and scope of the present invention, and all such modifications as would be obvious to one skilled in the art are intended to be included within the scope of the following claims.